SEARCH REQUEST FORM

	52.11.612 1650	3232 1 31411	
Requester's Full Name: <u>BE1</u> Art Unit: <u>1626</u> Filos Location (Bldg/Room#): 160 5 6 2	nc Number: 2- 070 4 R(Mailbox #): Re	Serial Number: /º/ 2	e): PAPED DISK
To ensure as efficient and quality search	h. please attach a copy of the cove	r sheet, claims, and abstract or fill (out the following:
Title of Invention: 0/5.	1 10 mg/i di c	- d' ' 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- a - L'
Title of Invention: USe a	1 110 m	a dinivile Myavo	generica proces
Inventors (please provide fuil name)	1): 410m 10(artu	- Milgeian	·
Earliest Priority Date:	12/03		
Search Topic:			
Please provide a detailed statement of the elected species or structures, keywords, sy Define any terms that may have a special	rnonyms, acronyms, and registry ma	mbers, and combine with the concep	to be searched. Include the of or utility of the invention.
For Sequence Searches Only Please in appropriate series where.	iclude all pertinent information (pa	rent, child, divisional, or issued pate	nt numbers) along with the
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Contacting a di	nifile with	modrogen i t	the presence
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******************		在文字次表出来出版社会大学大学公文公司大学大学大学大学大学	*****
STAFF USE ONLY	Type of Search	Vendors and cost where	applicable
Searcher:		•	Dialog
Searcher Langing		Questel/Orbit	
Searcher Location:			WWW/Internet
Date Searcher Picked Up:	Bibliographic	ln-house sequence sy	rstems
Date Completed:	Litigation	CommercialOlige InterferenceSPD	omerScore/Length
Searcher Frep & Keylew Time:	Fulliext	Other (specif	

Other

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               3 SEA FILE=REGISTRY ABB=ON (AMMONIUM HYDROXIDE OR AMMONIUM
1.6
                 CYANIDE OR AMMONIUM FLUORIDE OR AMMONIUM THIOCYANIDE)/CN
               4 SEA FILE=REGISTRY ABB=ON (IRON OR RUTHENIUM OR COBALT OR
L8
                 NICKEL) / CN
         149799 SEA FILE=HCAPLUS ABB=ON (L8 OR ?IRON? OR ?RUTHENIUM? OR
L9
                 ?COBALT? OR ?NICKEL?)(L)?CATALYST?
             314 SEA FILE=HCAPLUS ABB=ON L9 AND ?DINITRILE?
7 SEA FILE=HCAPLUS ABB=ON L10 AND (L6 OR ?AMMONIUM?(W) (?HYDROXID
L10
L11
                 E? OR ?CYANIDE? OR ?FLUORIDE? OR ?THIOCYANID?))
L12
               7 SEA FILE=HCAPLUS ABB=ON L11 AND ?HYDROGEN?
L13
               6 SEA FILE=HCAPLUS ABB=ON L12 AND (PRD<20031112 OR PD<20031112)
               6 SEA FILE=HCAPLUS ABB=ON L13 AND (?PROCESS? OR ?HYDROGENAT? OR
L19
                 ?MODIF?)
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=> d ibib abs 119 1-6

L19 ANSWER 1 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:5923 HCAPLUS

DOCUMENT NUMBER: 138:75102

TITLE: Method and catalysts for the hemihydrogenation

of dinitriles into aminonitriles Leconte, Philippe; Lopez, Joseph PATENT ASSIGNEE(S): Rhodia Polyamide Intermediates, Fr.

SOURCE: PCT Int. Appl., 11 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: French

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

INVENTOR(S):

PA'	rent no	•		KIN)	DATE			APPI	CICAT	ION I	NO.		D.	ATE		
	200300									2002-				2	0020	613	<
	W: Al CC Gl LS	E, AG, D, CR, M, HR, S, LT, L, PT,	AL, CU, HU, LU, RO,	AM, CZ, ID, LV, RU,	AT, DE, IL, MA, SD,	AU, DK, IN, MD, SE,	AZ, DM, IS, MG, SG,	BA, DZ, JP, MK, SI,	EC, KE, MN, SK,	EE, KG, MW, SL,	ES, KP, MX, TJ,	FI, KR, MZ, TM,	GB, KZ, NO, TN,	GD, LC, NZ, TR,	GE, LK, OM, TT,	GH, LR, PH, TZ,	
	RW: GI C B	(, DE, E, BJ,	KE, DK, CF,	LS, ES, CG,	MW, FI, CI,	MZ, FR, CM,	SD, GB, GA,	SL, GR, GN,	SZ, IE, GQ,	TZ, IT, GW,	UG, LU, ML,	ZM, MC, MR,	ZW, NL, NE,	AT, PT, SN,	BE, SE, TD,	CH, TR, TG	
	282636								FR 2	2001-	8245			2	0010	622	<
CA	282636 244912 139734	l. 5		AA A2		2004	0103 0317	!	EP 2	2002-	7808	41		2	0020	613	<
	R: A'	E, SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR							
	151853									2002-							
BR	200201	1014		A		2004	0810		BR 2	2002-	1101	4			0020 0020		
	226058			C1						2003- 2004-					0020		
	200420													_			
PRIORITY				•••				,	FR 2	2001- 2002-	8245			A 2	0010	622	<

MARPAT 138:75102 OTHER SOURCE(S): The hemihydrogenation of dinitriles (e.g., adiponitrile) into the corresponding aminonitriles (e.g., aminocapronitrile) is described using water and a hydrogenation

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catalyst system (e.g., Raney nickel, KOH, and Et4NF)
     containing selecting agents.
L19 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER:
                         2003:5922 HCAPLUS
DOCUMENT NUMBER:
                         138:75101
TITLE:
                         Method and catalyst system for the
                         hemihydrogenation of dinitriles into
                         aminonitriles
INVENTOR(S):
                         Leconte, Philippe; Lopez, Joseph; Marion, Philippe
                         Rhodia Polyamide Intermediates, Fr.
PATENT ASSIGNEE(S):
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PCT Int. Appl., 12 pp. SOURCE: CODEN: PIXXD2

DOCUMENT TYPE: Patent French LANGUAGE:

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION: DAMENIM NO

PA.	rent	NO.			KIN	D	DATE			APPI	LICAT				D.	ATE		
	2003 2003									WO 2	2002-				2	0020	613	<
	W:	CO, GM,	CR, HR,	CU, HU,	CZ, ID,	DE, IL,	DK, IN,	DM, IS,	DZ, JP,	EC, KE,	BG, EE, KG,	ES, KP,	FI, KR,	GB, KZ,	GD, LC,	GE, LK,	GH, LR,	
		PL,	PT, UG,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	MW, SL, AM,	ТJ,	TM,	TN,	TR,	TT,	TZ,	
	RW:	GH, CY,	GM, DE,	DK,	ES,	FI,	FR,	GB,	GR,	IE,	TZ, IT, GW,	LU,	MC,	NL,	PT,	SE,	TR,	
	2826 2826	363			A1		2002	1227			2001-							<
CA	2449 1397	120					2003	0103			2002- 2002-							
	R:	•	•	•	•	•	ES, RO,	•			IT,	LI,	LU,	NL,	SE,	MC,	PT,	
CN JP RU	2002 1518 2004 2260 2004	0110 537 5307 588	38 18	·	A A T2 C1	·	2004 2004 2004 2005	0622 0804 1007 0920	·	BR 2 CN 2 JP 2 RU 2	2002- 2002- 2003- 2004- 2004-	8124 5070 1016	46 57 05		2 2 2 2	0020 0020 0020 0040	613 613 613 527	< < <
PRIORITY	Y APP	LN.	INFO	. :							2001- 2002-				A 2 W 2	0010 0020		
OTHER SO	DURCE	(S):			MAR	PAT	138:	7510	1									

The hemihydrogenation of dinitriles (e.g.,

adiponitrile) into the corresponding aminonitriles (e.g.,

6-aminocapronitrile) is described using a Ni or Raney Ni catalyst doped with Rh or Ir.

L19 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

2002:312051 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 136:325981

AΒ

TITLE: Catalyst system and process for the

hydrogenation of dinitriles into

diamines and aminonitriles

INVENTOR(S): Allgeier, Alan M.; Koch, Theodore A.; Sengupta, Sourav K.

E. I. Du Pont de Nemours & Co., USA PATENT ASSIGNEE(S):

SOURCE:

U.S., 6 pp. CODEN: USXXAM

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PAT	ENT	NO.			KIN	D	DATE		1	APPL:	ICAT	ION I	NO.		D	ATE	
	US	6376	714			В1		2002	0423	1	US 2	001-	8711	02		2	0010	531 <
	TW	5932	35			В		2004	0621	•	TW 2	002-	9111	0365		2	0020	517 <
	CA	2444	442			AA		2002	1205		CA 2	002-	2444	442		2	0020	524 <
	WO	2002	0968	62		A2		2002	1205	1	WO 2	002-	US16	374		2	0020	524 <
	WO	2002	0968	62		А3		2003	0731									
		W:	ΑE,	AG,	AL,	AM,	AT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
			CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	ΗU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	ΜZ,	NO,	ΝZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,
			UA,	UG,	UZ,	VN,	YU,	ZA,	ZM,	ZW								
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	ΚZ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	CH,	CY,	DE,	DK,	ES,	FI,	FR,	GB,
			GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,
			GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG							
	EΡ	1392	646			A2		2004	0303		EP 2	002-	7393	72		2	0020	524 <
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
								RO,										
	BR	2002	0100	82		Α		2004	0817		BR 2	002-	1008	2		2	0020	524 <
		1531															0020	524 <
	JP	2004	5347	78		Т2		2004	1118		JP 2	003-	5000	42		2	0020	524 <
PRIOR											US 2	001-	8711	02		A 2	0010	531 <
										,	WO 2	002-	US16	374	1	W 2	0020	524 <
מ ת	70 -		F	~~ ~	~~**	~+ i ~.	. د	_:		int	~ 4:	amin	00					

A process for converting dinitriles into diamines AΒ and/or aminonitriles consists of forming a reaction mixture that comprises: (1) a dinitrile; (2) hydrogen; (3) a catalyst comprising a Group VIII element; and (4) one or more modifiers selected from quaternary ammonium hydroxides, quaternary ammonium cyanides, quaternary ammonium fluorides, quaternary phosphonium hydroxides, and quaternary ammonium thiocyanides. The reaction mixture contains less than a 1:1 molar ratio of solvent and the process is carried out at a pressure and temperature sufficient to convert at least a portion of the dinitrile (e.g., 1,6hexanedinitrile) into a diamine (e.g., 1,6-diaminohexane) and,

optionally, an aminonitrile (e.g., 6-aminocapronitrile).

REFERENCE COUNT: THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS 3 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

2001:676740 HCAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER: 135:227379

TITLE: Method and catalyst for hydrogenating

nitriles into amines or aminonitriles Boschat, Vincent; Leconte, Philippe Rhodia Polyamide Intermediates, Fr.

PATENT ASSIGNEE(S): SOURCE: PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

INVENTOR(S):

LANGUAGE:

French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE _____ WO 2001066511 A1 20010913 WO 2001-FR687 20010307 <--W: AU, BR, BY, CA, CN, CZ, ID, IL, IN, JP, KR, MX, PL, RO, RU, SG, SK, TR, UA, US, VN, ZA RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR FR 2806081 A1 20010914 FR 2000-2997 20000308 <--FR 2806081 В1 20030314 20010913 CA 2001-2403210 CA 2403210 AA 20010307 <~-20010307 <--A1 20021218 EP 2001-913956 EP 1265845 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR BR 2001009261 А 20030603 BR 2001-9261 20010307 <--Т2 JP 2001-565331 20010307 <--JP 2003525924 20030902 C2 20041220 RU 2002-126613 20010307 <--RU 2242460 US 2003-220821 20030110 <--US 2003144552 A1 20030731 US 6790994 B2 20040914 FR 2000-2997 A 20000308 <--WO 2001-FR687 W 20010307 <--PRIORITY APPLN. INFO.:

AB A method for hydrogenating nitriles into amines, as well as the total or partial hydrogenation of dinitriles into diamines or aminonitrile compds., is described using hydrogen in the presence of a hydrogenation catalyst (e.g., Raney nickel containing Co) and a strong mineral base (e.g., KOH) preferably derived from an alkaline or alkaline-earth metal. The catalyst used is subjected to conditioning by mixing the hydrogenation catalyst, a specific amount of strong mineral base, and a solvent in which the strong mineral base is hardly soluble The solvent is an amine compound such as hexamethylenediamine in the case of hydrogenation of adiponitrile into HMD and/or aminocapronitrile.

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:548793 HCAPLUS

DOCUMENT NUMBER: 133:150260

TITLE: Procedure for the production of 2-(aminomethyl)-1,5-

pentanediamine by the hydrogenation and

amination of 2,4-dicyano-1-butene

INVENTOR(S): Fischer, Konrad; Richter, Frank; Bazanov, Anatoly;

Timofeev, Alexandre; Zubritskaya, Natalja; Smirnova,

Galina

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 4 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
DE 19905277	A1 20000810	DE 1999-19905277	19990209 <
EP 1028104	A1 20000816	EP 2000-101607	20000127 <
R: AT, BE, CH,	, DE, DK, ES, FR,	GB, GR, IT, LI, LU, NL,	SE, MC, PT,

IE, SI, LT, LV, FI, RO

US 2001005764 20010628 20000201 <--A1 US 2000-496067 JP 2000229918 A2 20000822 JP 2000-30425 20000208 <--DE 1999-19905277 A 19990209 <--PRIORITY APPLN. INFO.:

OTHER SOURCE(S): CASREACT 133:150260

2-(Aminomethyl)-1,5-pentanediamine is prepared in high yield and selectivity by the reaction of 2,4-dicyano-1-butene with ammonia and hydrogen in the presence of a cobalt-based catalyst composition (containing 65% cobalt, 3.5% manganese, and 3% phosphoric acid).

L19 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2006 ACS on STN 1990:38575 HCAPLUS

ACCESSION NUMBER: DOCUMENT NUMBER: 112:38575

TITLE: Activation of commercially available nickel

on alumina catalyst

Scaros, Mike G.; Dryden, Hugh L., Jr.; Westrich, John AUTHOR(S):

P.; Goodmonson, Owen J.; Pilney, James R. G. D. Searle and Co., Skokie, IL, USA

CORPORATE SOURCE: Chemical Industries (Dekker) (1988), SOURCE:

33(Catal. Org. React.), 419-29 CODEN: CHEIDI; ISSN: 0737-8025

DOCUMENT TYPE: Journal English LANGUAGE:

The activation of a Ni catalyst with KBH4-NH4OH-MeOH to give a product with hydrogenation activity similar to Raney Ni but without the pyrophoricity was described. The catalyst was used to hydrogenate a Me 2-alkynoate to a Me alkanoate and adiponitrile to 1,6-hexanediamine.

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               3 SEA FILE=REGISTRY ABB=ON (AMMONIUM HYDROXIDE OR AMMONIUM
1.6
                 CYANIDE OR AMMONIUM FLUORIDE OR AMMONIUM THIOCYANIDE)/CN
L8
               4 SEA FILE=REGISTRY ABB=ON (IRON OR RUTHENIUM OR COBALT OR
                 NICKEL)/CN
         149799 SEA FILE=HCAPLUS ABB=ON (L8 OR ?IRON? OR ?RUTHENIUM? OR
T.9
                 ?COBALT? OR ?NICKEL?)(L)?CATALYST?
             314 SEA FILE=HCAPLUS ABB=ON L9 AND ?DINITRILE?
7 SEA FILE=HCAPLUS ABB=ON L10 AND (L6 OR ?AMMONIUM?(W)(?HYDROXID
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L11
                 E? OR ?CYANIDE? OR ?FLUORIDE? OR ?THIOCYANID?))
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            260 SEA FILE=USPATFULL ABB=ON L15 AND ?PROCESS?
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             16 SEA FILE=USPATFULL ABB=ON L17 AND ?MODIFIER?
L18
=> d ibib abs 118 1-16
L18 ANSWER 1 OF 16 USPATFULL on STN
ACCESSION NUMBER:
                         2004:159388 USPATFULL
                         Polar group-containing olefin copolymer,
TITLE:
                         process for preparing the same, thermoplastic
                          resin composition containing the copolymer, and uses
                          thereof
INVENTOR(S):
                          Imuta, Junichi, Sodegaura-shi, JAPAN
                          Kashiwa, Norio, Sodegaura-shi, JAPAN
                          Ota, Seiji, Sodegaura-shi, JAPAN
                          Moriya, Satoru, Ichihara-shi, JAPAN
                         Nobori, Tadahito, Sodegaura-shi, JAPAN
Mizutani, Kazumi, Sodegaura-shi, JAPAN
Mitsui Chemicals, Inc. (non-U.S. corporation)
PATENT ASSIGNEE(S):
                              NUMBER KIND DATE
                          ______
                         US 2004122192 A1 20040624 US 2003-713278 A1 20031117 (10)
PATENT INFORMATION:
APPLICATION INFO.:
RELATED APPLN. INFO.:
                         Continuation of Ser. No. US 2001-947460, filed on 7 Sep
                          2001, PENDING
                               NUMBER DATE
                          ______
PRIORITY INFORMATION:
                          JP 2000-272345 20000907
                                                                         <--
                         JP 2000-345736 20001113

JP 2000-345737 20001113

JP 2000-345738 20001113

JP 2000-345814 20001113
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                          JP 2000-345815
                                              20001113
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                          JP 2000-345816
                                              20001113
                                                                         <--
                          JP 2000-362632
                                              20001129
                                                                         <--
                         Utility
DOCUMENT TYPE:
FILE SEGMENT:
                         APPLICATION
LEGAL REPRESENTATIVE:
                         BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS
                         CHURCH, VA, 22040-0747
NUMBER OF CLAIMS:
                         27
EXEMPLARY CLAIM:
                         1
LINE COUNT:
                         8328
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AΒ
       The present invention is a polar group-containing olefin copolymer
       having excellent adhesion properties to metals or polar resins and
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excellent compatibility therewith. A **process** for preparing the copolymer, a thermoplastic resin composition containing the copolymer, and uses thereof are also described. The polar group-containing olefin copolymer comprises a constituent unit derived from an α -olefin of 2 to 20 carbon atoms, and a constituent unit derived from a straight-chain, branched or cyclic polar group-containing monomer having at the end a polar group such as a hydroxyl group or an epoxy group and/or a constituent unit derived from a macromonomer having at the end a polymer segment obtained by anionic polymerization, ring-opening polymerization or polycondensation. The polar group-containing olefin copolymer and the thermoplastic resin composition containing the copolymer are used for films, sheets, **modifiers**, building/civil engineering materials, automobile exterior trim, electric/electronic parts, coating bases, compatibilizing agents, etc.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 2 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2004:152255 USPATFULL

TITLE: 2-Heteroaryl-3,4-dihydro-2h-pyrrole derivatives and the

use thereof as pesticides

INVENTOR(S): Plant, Andrew, Berkshire, UNITED KINGDOM

Fischer, R?uuml, diger, Pulheim, GERMANY, FEDERAL

REPUBLIC OF

Seitz, Thomas, Langenfeld, GERMANY, FEDERAL REPUBLIC OF

Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL

REPUBLIC OF

Turberg, Andreas, Haan, GERMANY, FEDERAL REPUBLIC OF Hansen, Olaf, Leichlingen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE	
US	2004116477	A1	20040617	
US	2004-467879	A1	20040112	(10)
WO	2002-EP992		20020131	

NUMBER DATE
----DE 2001-106457 20010213

PRIORITY INFORMATION: DE 2001

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BAYER CROPSCIENCE LP, Patent Department, 100 BAYER

ROAD, PITTSBURGH, PA, 15205-9741

NUMBER OF CLAIMS: 24 EXEMPLARY CLAIM: 1 LINE COUNT: 4692

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel Δ.sup.1-pyrrolines of the formula (I) ##STR1##

in which

PATENT INFORMATION: APPLICATION INFO.:

R. \sup 1, R. \sup 2, R. \sup 3 and Het have the meanings given in the description,

a plurality of **processes** for preparing these compounds and their use for controlling pests, and also novel intermediates and **processes** for their preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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L18 ANSWER 3 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2004:133928 USPATFULL TITLE: Pyrazolyl pyrimidines

INVENTOR(S): Fischer, Rudiger, Pulheim, GERMANY, FEDERAL REPUBLIC OF

Alig, Bernd, Konigswinter, GERMANY, FEDERAL REPUBLIC OF

Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL

REPUBLIC OF

Es-Sayed, Mazen, Langenfeld, GERMANY, FEDERAL REPUBLIC

OF

Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL

REPUBLIC OF

Losel, Peter, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Reckmann, Udo, Koln, GERMANY, FEDERAL REPUBLIC OF

NUMBER DATE

PRIORITY INFORMATION: DE 2001-108480 20010222 <--

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: BAYER CROPSCIENCE LP, Patent Department, 100 BAYER

ROAD, PITTSBURGH, PA, 15205-9741

NUMBER OF CLAIMS: 22 EXEMPLARY CLAIM: 1 LINE COUNT: 4065

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB This invention relates to novel pyrazolylpyrimidines of the formula

##STR1##

in which R.sup.1, R.sup.2, X, n, Y, Z and R have the meanings given in the disclosure, to a plurality of **processes** for preparing these substances, and to their use for controlling pests.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 4 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2004:101771 USPATFULL

TITLE: Pyridyl pyrimidines for use as pesticides

INVENTOR(S): Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL

REPUBLIC OF

Es-Sayed, Mazen, Langenfeld, GERMANY, FEDERAL REPUBLIC

OF

Fischer, Rudiger, Langenfeld, GERMANY, FEDERAL REPUBLIC

OF

Maurer, Fritz, Monheim, GERMANY, FEDERAL REPUBLIC OF Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL

REPUBLIC OF

Losel, Peter, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

NUMBER DATE

-----DE 2001-108481 20010222 PRIORITY INFORMATION: <--

DOCUMENT TYPE: Utility FILE SEGMENT: APPLICATION

BAYER CROPSCIENCE LP, Patent Department, 100 BAYER LEGAL REPRESENTATIVE:

ROAD, PITTSBURGH, PA, 15205-9741

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 LINE COUNT: 5031

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Novel pyridylpyrimidines of the formula ##STR1##

in which

R.sup.1, R.sup.2, X, n, Y, Z and R have the meanings given in the description,

a plurality of processes for preparing these compounds and their use for controlling pests, and also novel intermediates and process for their preparation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 5 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2004:7809 USPATFULL

TITLE: Novel polyamine analog conjugates and quinone

conjugates as therapies for cancers and prostate

diseases

Frydman, Benjamin, Madison, WI, UNITED STATES INVENTOR(S):

Marton, Laurence J., Palo Alto, CA, UNITED STATES

SLIL Biomedical Corporation, Madison, WI, UNITED STATES PATENT ASSIGNEE(S):

(U.S. corporation)

NUMBER KIND DATE ______

US 2004006049 A1 20040108 US 2003-385224 A1 20030310 (10) PATENT INFORMATION: APPLICATION INFO.:

Continuation of Ser. No. US 2000-561172, filed on 27 RELATED APPLN. INFO.:

Apr 2000, PENDING

NUMBER DATE _______

US 1999-131809P 19990430 (60) PRIORITY INFORMATION: <--

Utility DOCUMENT TYPE: APPLICATION FILE SEGMENT:

LEGAL REPRESENTATIVE: Robert K. Cerpa, Morrison & Foerster LLP, 35th Floor,

555 W. 5th Street, Los Angeles, CA, 90013

NUMBER OF CLAIMS: 37 EXEMPLARY CLAIM: 1

67 Drawing Page(s) NUMBER OF DRAWINGS:

LINE COUNT: 4669

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Peptide conjugates in which cytocidal and cytostatic agents, such as polyamine analogs or naphthoquinones, are conjugated to a polypeptide recognized and cleaved by enzymes such as prostate-specific antigen (PSA) and cathepsin B are provided, as well as compositions comprising these conjugates. Methods of using these conjugates in the treatment of prostate diseases are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 6 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2003:306824 USPATFULL

C2-phenyl-substituted cyclic keto-enols used as TITLE:

pesticides and herbicides

Ruther, Michael, Langenfeld, GERMANY, FEDERAL REPUBLIC INVENTOR(S):

OF

Hagemann, Hermann, Leverkusen, GERMANY, FEDERAL

REPUBLIC OF

Schneider, Udo, Leverkusen, GERMANY, FEDERAL REPUBLIC

OF

Dollinger, Markus, Leverkusen, GERMANY, FEDERAL

REPUBLIC OF

Dahmen, Peter, Neuss, GERMANY, FEDERAL REPUBLIC OF Wachendorff-Neumann, Ulrike, Neuwied, GERMANY, FEDERAL

REPUBLIC OF

Fischer, Rainer, Monheim, GERMANY, FEDERAL REPUBLIC OF Graff, Alan, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

Bretschneider, Thomas, Lohmar, GERMANY, FEDERAL

REPUBLIC OF

Erdelen, Christoph, Leichlingen, GERMANY, FEDERAL

REPUBLIC OF

Drewes, Mark Wilhelm, Langenfeld, GERMANY, FEDERAL

REPUBLIC OF

Feucht, Dieter, Monheim, GERMANY, FEDERAL REPUBLIC OF Lieb, Folker, Leverkusen, GERMANY, FEDERAL REPUBLIC OF

NUMBER KIND DATE ______ US 2003216260 A1 20031120 US 2002-239331 A1 20021216 (10) WO 2001-EP3215 20010321

NUMBER DATE -----DE 2000-10016544 20000403

PRIORITY INFORMATION: DOCUMENT TYPE: Utility

APPLICATION FILE SEGMENT:

BAYER POLYMERS LLC, 100 BAYER ROAD, PITTSBURGH, PA, LEGAL REPRESENTATIVE:

15205

NUMBER OF CLAIMS: 21 EXEMPLARY CLAIM: 1 LINE COUNT: 4834

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention relates to novel C.sub.2-phenyl-substituted cyclic

ketoenols of the formula (I) ##STR1##

in which

PATENT INFORMATION: APPLICATION INFO.:

> W, X, Y, Z and CKE are as defined in the description, to processes for their preparation and to their use as pesticides and herbicides.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 7 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2002:280758 USPATFULL

TITLE: Polar group-containing olefin copolymer,

process for preparing the same, thermoplastic

<--

resin composition containing the copolymer, and uses

thereof

INVENTOR(S): Imuta, Junichi, Sodegaura-shi, JAPAN

Kashiwa, Nori, Sodegaura-shi, JAPAN Ota, Seiji, Sodegaura-shi, JAPAN Moriya, Satoru, Ichihara-shi, JAPAN Nobori, Tadahito, Sodegaura-shi, JAPAN Mizutani, Kazumi, Sodegaura-shi, JAPAN

		_	
	NUMBER	KIND DATE	
PATENT INFORMATION:	US 2002156207	A1 20021024	<
APPLICATION INFO.:	US 2001-947460	A1 20010907	(9)
	NUMBER	DATE	
PRIORITY INFORMATION:	JP 2000-272345	20000907	<
	JP 2000-345736	20001113	<
	JP 2000-345737	20001113	<
	JP 2000-345738	20001113	<
	JP 2000-345814	20001113	<
	JP 2000-345815	20001113	<
	JP 2000-345816	20001113	<
	JP 2000-362632	20001129	<
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	BIRCH STEWART KO CHURCH, VA, 2204		BOX 747, FALLS
NUMBER OF CLAIMS:	27		
CUCURT PRU CT PTM	•		

NUMBER OF CLAIMS: 27
EXEMPLARY CLAIM: 1
LINE COUNT: 8062

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The present invention is intended to provide a polar group-containing olefin copolymer having excellent adhesion properties to metals or polar resins and excellent compatibility therewith, a process for preparing the copolymer, a thermoplastic resin composition containing the copolymer, and uses thereof. The polar group-containing olefin copolymer comprises a constituent unit derived from an α -olefin of 2 to 20 carbon atoms, and a constituent unit derived from a straight-chain, branched or cyclic polar group-containing monomer having at the end a polar group such as a hydroxyl group or an epoxy group and/or a constituent unit derived from a macromonomer having at the end a polymer segment obtained by anionic polymerization, ring-opening polymerization or polycondensation. The polar group-containing olefin copolymer can be prepared by polymerizing the α -olefin with the polar group-containing monomer and/or the macromonomer in the presence of a metallocene catalyst. The polar group-containing olefin copolymer and the thermoplastic resin composition containing the copolymer are used for films, sheets, modifiers, building/civil engineering materials, automobile exterior trim, electric/electronic parts, coating bases, compatibilizing agents, etc.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 8 OF 16 USPATFULL on STN

ACCESSION NUMBER: 2002:88674 USPATFULL

TITLE: Environmentally friendly process for the

hydrogenation of dinitriles

INVENTOR(S):

Allgeier, Alan M., Wilmington, DE, United States
Koch, Theodore A., Wilmington, DE, United States

Sengupta, Sourav K., Wilmington, DE, United States E. I. du Pont de Nemours and Company, Wilmington, DE, PATENT ASSIGNEE(S):

United States (U.S. corporation)

NUMBER KIND DATE -----

US 6376714 B1 20020423 US 2001-871102 20010531 PATENT INFORMATION: <--

APPLICATION INFO.: 20010531 (9)

DOCUMENT TYPE: Utility GRANTED FILE SEGMENT:

PRIMARY EXAMINER: Davis, Brian J. LEGAL REPRESENTATIVE: Deitch, Gerald E.

NUMBER OF CLAIMS: 16 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)

LINE COUNT: 574

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Process for converting a dinitrile to a diamine and

optionally an aminonitrile, in which a Group VIII element catalyst is

treated with a modifier either before or during a

substantially solvent-free hydrogenation reaction in which the

dinitrile is contacted with hydrogen in the presence

of the catalyst.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 9 OF 16 USPATFULL on STN

ACCESSION NUMBER: 95:5974 USPATFULL

TITLE: Oil soluble amino-substituted polymers containing graft

polymer segments derived from aromatic

nitrogen-containing monomers

Patil, Abhimanyu O., Westfield, NJ, United States INVENTOR(S):

Datta, Sudhin, Matawan, NJ, United States

Lundberg, Robert D., Bridgewater, NJ, United States

Exxon Chemical Patents Inc., Linden, NJ, United States PATENT ASSIGNEE(S):

(U.S. corporation)

NUMBER KIND DATE ______

US 5382632 PATENT INFORMATION: 19950117 <--

APPLICATION INFO.: US 1993-130611 19931001 (8)

DISCLAIMER DATE: 20110111

Division of Ser. No. US 1989-449998, filed on 13 Dec RELATED APPLN. INFO.:

1989, now patented, Pat. No. US 5278240

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Lipman, Bernard Kowalchyn, T. V. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 19 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)

2454 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The novel polymers of the present invention are prepared by graft polymerization of at least one aromatic nitrogen-containing monomer onto an amino-substituted polymer (e.g., an ethylene alpha-olefin interpolymer substituted by primary amino or secondary amino groups). Preferred aromatic nitrogen-containing moieties are illustrated by aniline, and preferred amino-substituted interpolymers comprise

amino-substituted ethylene propylene norbornene terpolymers. The

polymers of this invention are oil soluble and are useful as dispersant and antioxidant additives in oleaginous compositions and are further useful in electrical, textile and other applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 10 OF 16 USPATFULL on STN

ACCESSION NUMBER: 94:3862 USPATFULL

Oil soluble amino-substituted polymers containing graft TITLE:

polymer segments derived from aromatic

nitrogen-containing monomers

Patil, Abhimanyu O., Westfield, NJ, United States INVENTOR(S):

Datta, Sudhin, Matawan, NJ, United States

Lundberg, Robert D., Bridgewater, NJ, United States

Exxon Chemical Patents Inc., Linden, NJ, United States PATENT ASSIGNEE(S):

(U.S. corporation)

NUMBER KIND DATE ______

US 5278240 19940111 US 1989-449998 19891213 (7) <--PATENT INFORMATION:

APPLICATION INFO.:

Utility DOCUMENT TYPE: Granted FILE SEGMENT:

PRIMARY EXAMINER: Lipman, Bernard

LEGAL REPRESENTATIVE: Murray, Jr., J. B., Kowalchyn, T. V.

NUMBER OF CLAIMS: 43 EXEMPLARY CLAIM: 1

1 Drawing Figure(s); 1 Drawing Page(s) NUMBER OF DRAWINGS:

2467 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

The novel polymers of the present invention are prepared by graft AB polymerization of at least one aromatic nitrogen-containing monomer onto an amino-substituted polymer (e.g., an ethylene alpha-olefin interpolymer substituted by primary amino or secondary amino groups). Preferred aromatic nitrogen-containing moieties are illustrated by aniline, and preferred amino-substituted interpolymers comprise amino-substituted ethylene propylene norbornene terpolymers. The polymers of this invention are oil soluble and are useful as dispersant and antioxidant additives in oleaginous compositions and are further useful in electrical, textile and other applications.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 11 OF 16 USPATFULL on STN

81:13436 USPATFULL ACCESSION NUMBER:

Fabric bleaching and stain removal compositions TITLE: Sakkab, Nabil Y., Maineville, OH, United States INVENTOR(S): PATENT ASSIGNEE(S): The Procter & Gamble Company, Cincinnati, OH, United

States (U.S. corporation)

NUMBER KIND DATE _____

US 4255273 19810310 PATENT INFORMATION: <--19790110 (6) US 1979-2415 APPLICATION INFO.:

NUMBER DATE

PH 1978-20642 19780111 PRIORITY INFORMATION: <--

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Weinblatt, Mayer

LEGAL REPRESENTATIVE: Gould, William H., O'Flaherty, Thomas H., Witte,

Richard C.

NUMBER OF CLAIMS: 45 EXEMPLARY CLAIM: 1

NUMBER OF DRAWINGS: 1 Drawing Figure(s); 1 Drawing Page(s)

LINE COUNT: 2686

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Improved fabric bleaching and stain removal are achieved by use of a composition comprising a photoactivator and a cationic substance. The photoactivator is a porphine or a mono-, di-, tri-, or tetra-aza porphine, solubilized with anionic, nonionic and/or cationic substitutent groups, and metal free or metallated with Zn(II), Ca(II), Cd(II), Mg(II), Sc(III), Al(III) or Sn(IV). The cationic substance is preferably one that, in a laundry bath, itself performs a desired function such as acting as fabric softener, electrostatic control agent, surfactant, or germicide.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 12 OF 16 USPATFULL on STN

ACCESSION NUMBER: 80:14878 USPATFULL

TITLE: Haloalkyl hydroxy-aromatic condensation products as

fuel additives

INVENTOR(S): Ripple, David E., Kirtland, OH, United States

PATENT ASSIGNEE(S): The Lubrizol Corporation, Wickliffe, OH, United States

(U.S. corporation)

KIND DATE NUMBER ______

US 1979-9715 PATENT INFORMATION: 19800325 <--

APPLICATION INFO.: 19790205 (6)

Division of Ser. No. US 1978-901174, filed on 28 Apr RELATED APPLN. INFO.: 1978, now Defensive Publication No. which is a division

of Ser. No. US 1976-684818, filed on 10 May 1976, now

patented, Pat. No. US 4108783 which is a

continuation-in-part of Ser. No. US 1974-459424, filed

on 9 Apr 1974, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

Douglas, Winston A. PRIMARY EXAMINER:

ASSISTANT EXAMINER: Howard, J. V.

Adams, Jr., James W., Keller, Raymond F. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: EXEMPLARY CLAIM: 1 1078 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Condensation products made by reacting an alpha-haloalkyl hydroxy-aromatic compound also having at least one non-fused hydrocarbyl substituent with at least one olefinic nitrile, carboxylic acid or carboxylic acid derivative are useful as additives for fuels and lubricants. The number of carbon atoms in the aromatic hydrocarbyl compound's substituents are each about 25 while the haloalkyl group contains from one to about 36 carbons. The acid or nitrile reactant usually contains three to about forty carbons. Products made from halomethyl alkyl-substituted phenols and α,β -olefinic diacid derivatives such as maleic anhydride are particularly useful. Similarly useful products can be made from these condensation products by further reacting their acid, acid derivative or nitrile groups with alcohols, polyols, monoamines, polyamines, metal salts or metals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 13 OF 16 USPATFULL on STN

ACCESSION NUMBER: 79:50997 USPATFULL

TITLE: Haloalkyl hydroxy-aromatic condensation products as

fuel and lubricant additives

Ripple, David E., Kirtland, OH, United States INVENTOR(S):

PATENT ASSIGNEE(S): The Lubrizol Corporation, Wickliffe, OH, United States

(U.S. corporation)

NUMBER KIND DATE _______

US 4179449 19791218 US 1978-932977 19780811 (5) <--PATENT INFORMATION:

APPLICATION INFO.:

Division of Ser. No. US 1976-684818, filed on 10 May RELATED APPLN. INFO.: 1976, now patented, Pat. No. US 4108783 which is a

continuation-in-part of Ser. No. US 1974-459424, filed

on 9 Apr 1974, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

Rotman, Alan L. PRIMARY EXAMINER: ASSISTANT EXAMINER: Dentz, B. I.

Adams, Jr., James W., Hall, Daniel N. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 19 EXEMPLARY CLAIM: 1 1097 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Condensation products made by reacting an alpha-haloalkyl hydroxy-aromatic compound also having at least one non-fused hydrocarbyl substituent with at least one olefinic nitrile, carboxylic acid or carboxylic acid derivative are useful as additives for fuels and lubricants. The number of carbon atoms in the aromatic hydrocarbyl compound's substituents are each about 25 while the haloalkyl group contains from one to about 36 carbons. The acid or nitrile reactant usually contains three to about forty carbons. Products made from halomethyl alkyl-substituted phenols and α,β -olefinic diacid derivatives such as maleic anhydride are particularly useful. Similarly useful products can be made from these condensation products by further reacting their acid, acid derivative or nitrile groups with alcohols, polyols, monoamines, polyamines, metal salts or metals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 14 OF 16 USPATFULL on STN

79:47434 USPATFULL ACCESSION NUMBER:

TITLE: Haloalkyl hydroxy-aromatic condensation products as

lubricant additives

INVENTOR(S): Ripple, David E., Kirtland, OH, United States

The Lubrizol Corporation, Wickliffe, OH, United States PATENT ASSIGNEE(S):

(U.S. corporation)

NUMBER KIND DATE ______

US 4176077 19791127 PATENT INFORMATION: 19780428 (5)

APPLICATION INFO.: US 1978-901174

RELATED APPLN. INFO.: Division of Ser. No. US 1976-684818, filed on 10 May 1976, now patented, Pat. No. US 4108783 which is a continuation-in-part of Ser. No. US 1974-459424, filed

on 9 Apr 1974, now abandoned

Utility DOCUMENT TYPE: Granted FILE SEGMENT:

Gantz, Delbert E. PRIMARY EXAMINER: ASSISTANT EXAMINER: Metz, Andrew

Adams, Jr., James W., Hall, Daniel N. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 16 EXEMPLARY CLAIM: 1 1095 LINE COUNT:

AB

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Condensation products made by reacting an alphahaloalkyl hydroxy-aromatic compound also having at least one non-fused hydrocarbyl substituent with at least one olefinic nitrile, carboxylic acid or carboxylic acid derivative are useful as additives for fuels and lubricants. The number of carbon atoms in the aromatic hydrocarbyl compound's substituents are each about 25 while the haloalkyl group contains from one to about 36 carbons. The acid or nitrile reactant usually contains three to about forty carbons. Products made from halomethyl alkyl-substituted phenols and α,β -olefinic diacid derivatives such as maleic anhydride are particularly useful. Similarly useful products can be made from these condensation products by further reacting their acid, acid derivative or nitrile groups with alcohols, polyols, monoamines, polyamines, metal salts or metals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 15 OF 16 USPATFULL on STN

78:45629 USPATFULL ACCESSION NUMBER:

Haloalkyl hydroxy-aromatic condensation products as TITLE:

fuel and lubricant additives

Ripple, David Eugene, Kirtland, OH, United States INVENTOR(S):

PATENT ASSIGNEE(S): The Lubrizol Corporation, Wickliffe, OH, United States

(U.S. corporation)

NUMBER KIND DATE _____

US 4108783 PATENT INFORMATION: 19780822 <--

APPLICATION INFO.: 19760510 (5)

Continuation-in-part of Ser. No. US 1974-459424, filed RELATED APPLN. INFO.:

on 9 Apr 1974, now abandoned

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

Gantz, Delbert E. PRIMARY EXAMINER: ASSISTANT EXAMINER: Metz, Andrew H.

Adams, Jr., James W., Hall, Daniel N., Khayat, S. I. LEGAL REPRESENTATIVE:

NUMBER OF CLAIMS: 22 EXEMPLARY CLAIM: 1 1098 LINE COUNT:

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Condensation products made by reacting an alphahaloalkyl AB hydroxy-aromatic compound also having at least one non-fused hydrocarbyl substituent with at least one olefinic nitrile, carboxylic acid or carboxylic acid derivative are useful as additives for fuels and lubricants. The number of carbon atoms in the aromatic hydrocarbyl compound's substituents are each about 25 while the haloalkyl group contains from one to about 36 carbons. The acid or nitrile reactant usually contains three to about forty carbons. Product made from halomethyl alkyl-substituted phenols and α,β -olefinic diacid derivatives such as maleic anhydride are particularly useful. Similarly useful products can be made from these condensation products by further reacting their acid, acid derivative or nitrile groups with alcohols,

polyols, monoamines, polyamines, metal salts or metals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 16 OF 16 USPATFULL on STN

ACCESSION NUMBER: 77:62700 USPATFULL TITLE: Polythiol sealants

INVENTOR(S): Doss, Richard C., Bartlesville, OK, United States

Murtha, Timothy P., Bartlesville, OK, United States Phillips Petroleum Company, Bartlesville, OK, United

PATENT ASSIGNEE(S): Phillips Petroleum Company, Bartlesv:

States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 4060519 19771129 <-APPLICATION INFO.: US 1976-662779 19760301 (5)

DOCUMENT TYPE: Utility FILE SEGMENT: Granted

PRIMARY EXAMINER: Griffin, Ronald W.

NUMBER OF CLAIMS: 14
EXEMPLARY CLAIM: 1
LINE COUNT: 469

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Naphthalene and alkylated naphthalenes are useful as sulfur-solubilizers in coating and sealant formulations based on polymercaptan-terminated polymers. In one embodiment, sealant and coating formulations are prepared by curing a mixture of (a) a polymercaptan-terminated polymer,

(b) naphthalene or alkylated naphthalenes as sulfur-solubilizers

containing dissolved sulfur, and (c) a curing agent.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Inventor Search

Sackey 10/713,535

06/01/2006

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ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:409272 HCAPLUS

DOCUMENT NUMBER: 142:463356

TITLE: Use of modifiers in a dinitrile

hydrogenation process

INVENTOR(S): Allgeier, Alan Martin

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 4 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005101797 PRIORITY APPLN. INFO.:	A1	20050512	US 2003-713535 US 2003-713535	20031112

OTHER SOURCE(S): CASREACT 142:463356

There is disclosed catalytic process for hydrogenating a dinitrile (adiponitrile) to produce both aminocapronitrile and hexamethylenediamine in which the dinitrile is contacted with hydrogen in the presence of a catalyst and a modifier selected from the group consisting of quaternary ammonium hydroxides, quaternary ammonium cyanides, quaternary ammonium fluorides and quaternary ammonium thiocyanides, quaternary phosphonium hydroxide, carbon monoxide, and hydrogen cyanide. Thus, a 1 L-stainless steel pressure vessel was charged with 216 g adiponitrile, 20 g of a powdered reduced iron catalyst, and 0.2 g tetrabutylammonium cyanide (modifier), sealed, purged with H, charged with 225 g NH3, heated to 150°, and pressurized to 4,500 psi for 315 min to give a reaction mix. comprising of adiponitrile 21, 6-aminocapronitrile 57, and hexamethylenediamine 21 weight% vs. 12, 45, and 36 weight%, resp., without modifier.

ΙT 74-90-8, Hydrogen cyanide, uses 630-08-0, Carbon monoxide, uses 7439-89-6, Iron, uses 7440-02-0, Nickel, uses 7440-18-8, Ruthenium, uses 7440-48-4, Cobalt, uses 10424-65-4, Tetramethylammonium hydroxide pentahydrate 10442-39-4, Tetrabutylammonium cyanide 13435-20-6, Tetraethylammonium cyanide

RL: CAT (Catalyst use); USES (Uses) (use of quaternary ammonium compds. as modifiers for catalytic hydrogenation of dinitrile to diamine or aminonitrile)

74-90-8 HCAPLUS RN

Hydrocyanic acid (8CI, 9CI) (CA INDEX NAME) CN

Ш CH

630-08-0 HCAPLUS RN

Carbon monoxide (8CI, 9CI) (CA INDEX NAME) CN

C-|| |-

RN 7439-89-6 HCAPLUS

CN Iron (7CI, 8CI, 9CI) (CA INDEX NAME)

Fe

RN 7440-02-0 HCAPLUS

CN Nickel (8CI, 9CI) (CA INDEX NAME)

Ni

RN 7440-18-8 HCAPLUS

CN Ruthenium (8CI, 9CI) (CA INDEX NAME)

Ru

RN 7440-48-4 HCAPLUS

CN Cobalt (8CI, 9CI) (CA INDEX NAME)

Со

RN 10424-65-4 HCAPLUS

CN Methanaminium, N,N,N-trimethyl-, hydroxide, pentahydrate (9CI) (CA INDEX NAME)

● OH-

●5 H₂O

RN 10442-39-4 HCAPLUS

CN 1-Butanaminium, N,N,N-tributyl-, cyanide (9CI) (CA INDEX NAME)

CM 1

CRN 10549-76-5 CMF C16 H36 N

CM 2

CRN 57-12-5 CMF C N

-C≡ N

13435-20-6 HCAPLUS RN CN Ethanaminium, N,N,N-triethyl-, cyanide (9CI) (CA INDEX NAME)

CM 1

CRN 66-40-0 CMF C8 H20 N

CM 2

CRN 57-12-5 CMF C N

-C≡ N

ΙT 124-09-4P, Hexamethylenediamine, preparation 2432-74-8P, 6-Aminocapronitrile RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation) (use of quaternary ammonium compds. as modifiers for catalytic

hydrogenation of dinitrile to diamine or aminonitrile)

RN 124-09-4 HCAPLUS

1,6-Hexanediamine (7CI, 8CI, 9CI) (CA INDEX NAME) CN

 $H_2N-(CH_2)_6-NH_2$

```
RN 2432-74-8 HCAPLUS
CN Hexanenitrile, 6-amino- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
```

 $H_2N-(CH_2)_5-CN$

IT 111-69-3, Adiponitrile
RL: RCT (Reactant); RACT (Reactant or reagent)
(use of quaternary ammonium compds. as modifiers for catalytic hydrogenation of dinitrile to diamine or aminonitrile)
RN 111-69-3 HCAPLUS

RN 111-69-3 HCAPLUS CN Hexanedinitrile (9CI) (CA INDEX NAME)

NC-(CH₂)₄-CN

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:396817 HCAPLUS

DOCUMENT NUMBER: 138:401408

TITLE: Process for the preparation of tertiary amines from

primary amines and nitriles

INVENTOR(S): Whittle, Kelley Moran; Allgeier, Alan Martin

; Higley, David Page; Gannett, Thomas Papin PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

PATENT ASSIGNEE(S): E. I. Du Pont de Nemour SOURCE: PCT Int. Appl., 16 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.			KIND DATE				APPL	ICAT	ION	DATE					
WO 2003 WO 2003								WO 2	002-	US35	495		2	0021	105
W:	AE, A	G, AL,	AM,	ΑT,	ΑU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
	CO, C	R, CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
	GM, H	R, HU,	ID,	ΙL,	IN,	IS,	JP,	ΚE,	KG,	ΚP,	KR,	ΚZ,	LC,	LK,	LR,
	LS, L	T, LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	ΝZ,	OM,	PH,
	PL, P	T, RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	ΤZ,
	UA, U	G, UZ,	VC,	VN,	YU,	ZA,	ZM,	zw							
RW:	GH, G	M, KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
	KG, K	Z, MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
	FI, F	R, GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	SK,	TR,	BF,	ВJ,	CF,
	CG, C	I, CM,	GΑ,												
US 2003	3135052		A1		2003	0717		US 2	001-	5307	3		2	0011	113
US 6600															
CA 2466	5442		AA		2003	0522		CA 2	002-	2466	442		2	0021	105
EP 1444	193		A2		2004	0811		EP 2	002-	7970	64		2	0021	105
R:	AT, B	E, CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
	IE, S	I, LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	SK		
BR 2002						-									
JP 2005	511620		Т2		2005	0428									
PRIORITY API	LN. IN	FO.:						US 2	001-	5307	3	i	A 2	0011	113
									002-				W 2	0021	105
OTHER SOURCE	C(S):		CASI	REAC	T 13	8:40	1408	; MA	RPAT	138	:401	408			

AB Disclosed is a method for preparing tertiary amine compds. (A-R-CH2)2N-R'-A' [R, R' = (cyclo)aliphatic, heterocyclic; A, A' = H, CN, amide, (cyclo)aliphatic,

etc.] from primary amines and nitriles in the presence of hydrogen gas and a metal catalyst, or metal-containing catalyst composition at a temperature from about

50° to about 200° and at a pressure from about 100 psig to 1500 psig. The primary amines and the nitriles used in the process may be diamines and/or dinitriles, or may be combinations of primary amines and/or nitriles. For instance, 5% Pd/Al (42:1 nitrile:catalyst), methylamine (40% aq, 0.27 mol) and adiponitrile (1.1 mol) are reacted in an autoclave at 110° at 500 psig of H2 for 2 h. This resulted in the formation of 41% bis(5-cyanopentyl)aminomethane with 47% recovered adiponitrile. Scope of reactants and stoichiometry are evaluated in the examples.

IT 111-69-3, Adiponitrile

RL: RCT (Reactant); RACT (Reactant or reagent)
(process for preparation of tertiary amines from primary amines and nitriles)

RN 111-69-3 HCAPLUS

CN Hexanedinitrile (9CI) (CA INDEX NAME)

NC-(CH₂)₄-CN

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:312051 HCAPLUS

DOCUMENT NUMBER: 136:325981

TITLE: Catalyst system and process for the hydrogenation of

dinitriles into diamines and aminonitriles

INVENTOR(S): Allgeier, Alan M.; Koch, Theodore A.;

Sengupta, Sourav K.

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

SOURCE: U.S., 6 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND DATE	APPLICATION NO.	DATE
US 6376714	B1 20020423	US 2001-871102	20010531
TW 593235	В 20040621	TW 2002-91110365	20020517
CA 2444442	AA 20021205	CA 2002-2444442	20020524
WO 2002096862	A2 20021205	WO 2002-US16374	20020524
WO 2002096862	A3 20030731		
W: AE, AG, AL,	AM, AT, AU, AZ,	BA, BB, BG, BR, BY, B	BZ, CA, CH, CN,
CO, CR, CU,	CZ, DE, DK, DM,	DZ, EC, EE, ES, FI, C	GB, GD, GE, GH,
GM, HR, HU,	ID, IL, IN, IS,	JP, KE, KG, KP, KR, H	KZ, LC, LK, LR,
• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	MK, MN, MW, MX, MZ, N	
• • • •	•	SI, SK, SL, TJ, TM, T	• • • • • • • • • • • • • • • • • • • •
·	VN, YU, ZA, ZM,		
· · · · · · · · · · · · · · · · · · ·		SL, SZ, TZ, UG, ZM, Z	ZW, AM, AZ, BY,
· · · · · · · · · · · · · · · · · · ·		BE, CH, CY, DE, DK, E	• • • • • • • • • • • • • • • • • • • •
· · · · · · · · · · · · · · · · · · ·		SE, TR, BF, BJ, CF, C	
	ML, MR, NE, SN,		
		EP 2002-739372	20020524

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     BR 2002010082
                          Α
                                 20040817
                                             BR 2002-10082
                                                                     20020524
     CN 1531523
                          Α
                                 20040922
                                             CN 2002-810915
                                                                     20020524
     JP 2004534778
                          Т2
                                 20041118
                                             JP 2003-500042
                                                                     20020524
PRIORITY APPLN. INFO.:
                                             US 2001-871102
                                                                 A 20010531
                                             WO 2002-US16374
                                                                 W 20020524
     A process for converting dinitriles into diamines and/or
AB
     aminonitriles consists of forming a reaction mixture that comprises: (1) a
     dinitrile; (2) hydrogen; (3) a catalyst comprising a Group VIII
     element; and (4) one or more modifiers selected from quaternary ammonium
     hydroxides, quaternary ammonium cyanides, quaternary ammonium fluorides,
     quaternary phosphonium hydroxides, and quaternary ammonium thiocyanides.
     The reaction mixture contains less than a 1:1 molar ratio of solvent and the
     process is carried out at a pressure and temperature sufficient to convert at
     least a portion of the dinitrile (e.g., 1,6-
     hexanedinitrile) into a diamine (e.g., 1,6-diaminohexane) and,
     optionally, an aminonitrile (e.g., 6-aminocapronitrile).
     10442-39-4, Tetrabutylammonium cyanide
IT
     RL: CAT (Catalyst use); USES (Uses)
        (catalyst system and process for the hydrogenation of
        dinitriles into diamines and aminonitriles)
     10442-39-4 HCAPLUS
RN
CN
     1-Butanaminium, N,N,N-tributyl-, cyanide (9CI) (CA INDEX NAME)
     CM
          1
     CRN 10549-76-5
     CMF C16 H36 N
   n-Bu
n-Bu-N+Bu-n
   n-Bu
     CM
          2
     CRN 57-12-5
     CMF C N
-с≡ и
ΙT
     111-69-3, Adiponitrile
     RL: RCT (Reactant); RACT (Reactant or reagent)
        (catalyst system and process for the hydrogenation of
        dinitriles into diamines and aminonitriles using)
RN
     111-69-3 HCAPLUS
CN
     Hexanedinitrile (9CI) (CA INDEX NAME)
NC-(CH<sub>2</sub>)<sub>4</sub>-CN
ΙT
     124-09-4P, 1,6-Diaminohexane, preparation 2432-74-8P,
```

6-Aminocapronitrile

RL: SPN (Synthetic preparation); PREP (Preparation) (catalyst system and process for the hydrogenation of dinitriles into diamines and aminonitriles using)

RN 124-09-4 HCAPLUS

1,6-Hexanediamine (7CI, 8CI, 9CI) (CA INDEX NAME) CN

 $H_2N-(CH_2)_6-NH_2$

RN 2432-74-8 HCAPLUS

Hexanenitrile, 6-amino- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME) CN

 $H_2N-(CH_2)_5-CN$

T ጥ 7440-02-0, Raney nickel, uses

RL: CAT (Catalyst use); USES (Uses)

(catalysts; catalyst system and process for the hydrogenation of dinitriles into diamines and aminonitriles using)

7440-02-0 HCAPLUS RN

Nickel (8CI, 9CI) (CA INDEX NAME) CN

Νi

REFERENCE COUNT: THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS 3

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2006 ACS on STN L4

ACCESSION NUMBER: 2001:439662 HCAPLUS

DOCUMENT NUMBER: 135:210668

TITLE: Reactivity and surface analysis studies on the

deactivation of Raney Ni during adiponitrile

hydrogenation

AUTHOR(S): Allgeier, Alan M.; Duch, Michael W.

CORPORATE SOURCE: E.I. duPont de Nemours Co., Wilmington, DE, 19880, USA

SOURCE: Chemical Industries (Dekker) (2001), 82(Catalysis of

Organic Reactions), 229-239 CODEN: CHEIDI; ISSN: 0737-8025

Marcel Dekker, Inc. PUBLISHER:

DOCUMENT TYPE: Journal LANGUAGE: English

The heterogeneous catalyst, Raney Ni, deactivates during the hydrogenation of adiponitrile. The present study shows that the deactivation process is general to α , ω - dinitriles of varying length and

also occurs for 6-aminocapronitrile but does not occur with mononitriles such as butyronitrile. In contrast to a previously reported mechanism for Ni catalyst deactivation in acetonitrile hydrogenation, these reactivity trends implicate deposition of oligomeric secondary amines and thus blocking of active sites as the mechanism of deactivation. Electron spectroscopy for chemical anal. (ESCA) reveals an increase in C and N on deactivated samples compared to nondeactivated samples and supports the conclusions drawn from reactivity studies.

ΙT 7440-02-0, Nickel, properties

RL: CAT (Catalyst use); PEP (Physical, engineering or chemical process); PRP (Properties); PROC (Process); USES (Uses)

(Raney; reactivity and surface anal. studies on deactivation of Raney Ni during adiponitrile hydrogenation)

RN 7440-02-0 HCAPLUS

CN Nickel (8CI, 9CI) (CA INDEX NAME)

Ni

RN 111-69-3 HCAPLUS

CN Hexanedinitrile (9CI) (CA INDEX NAME)

NC-(CH₂)₄-CN

RN 2432-74-8 HCAPLUS CN Hexanenitrile, 6-amino- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)

 $H_2N-(CH_2)_5-CN$

REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 18:48:43 ON 06 JAN 2006)

FILE 'HCAPLUS' ENTERED AT 18:48:49 ON 06 JAN 2006 E ALLGEIER ALAN MARTIN/AU

L1 21 S E1-3

L2 4 S L1 AND ?DINITRILE? SELECT RN L2 1

FILE 'REGISTRY' ENTERED AT 18:49:38 ON 06 JAN 2006 L3 12 S E1-12

FILE 'HCAPLUS' ENTERED AT 18:49:46 ON 06 JAN 2006 L4 4 S L2 AND L3

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=> d his ful
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(FILE 'HOME' ENTERED AT 18:48:43 ON 06 JAN 2006)

FILE 'HCAPLUS' ENTERED AT 18:48:49 ON 06 JAN 2006 E ALLGEIER ALAN MARTIN/AU

- L1 21 SEA ABB=ON ("ALLGEIER ALAN"/AU OR "ALLGEIER ALAN M"/AU OR "ALLGEIER ALAN MARTIN"/AU)
- L2 4 SEA ABB=ON L1 AND ?DINITRILE? SELECT RN L2 1

FILE 'REGISTRY' ENTERED AT 18:49:38 ON 06 JAN 2006

L3 12 SEA ABB=ON (10424-65-4/BI OR 10442-39-4/BI OR 111-69-3/BI OR 124-09-4/BI OR 13435-20-6/BI OR 2432-74-8/BI OR 630-08-0/BI OR 74-90-8/BI OR 7439-89-6/BI OR 7440-02-0/BI OR 7440-18-8/BI OR 7440-48-4/BI)

FILE 'HCAPLUS' ENTERED AT 18:49:46 ON 06 JAN 2006

L4 4 SEA ABB=ON L2 AND L3

L5 ANALYZE L4 1-4 CT : 18 TERMS

FILE 'REGISTRY' ENTERED AT 19:13:48 ON 06 JAN 2006

L6 3 SEA ABB=ON (AMMONIUM HYDROXIDE OR AMMONIUM CYANIDE OR AMMONIUM FLUORIDE OR AMMONIUM THIOCYANIDE)/CN
E AMMONIUM THIOCYANIDES/CN

E RU/CN

L7 1 SEA ABB=ON RU/CN

L8 4 SEA ABB=ON (IRON OR RUTHENIUM OR COBALT OR NICKEL)/CN

FILE 'HCAPLUS' ENTERED AT 19:16:54 ON 06 JAN 2006

L9 149799 SEA ABB=ON (L8 OR ?IRON? OR ?RUTHENIUM? OR ?COBALT? OR ?NICKEL?) (L) ?CATALYST?

L10 314 SEA ABB=ON L9 AND ?DINITRILE?

L11 7 SEA ABB=ON L10 AND (L6 OR ?AMMONIUM?(W)(?HYDROXIDE? OR ?CYANIDE? OR ?FLUORIDE? OR ?THIOCYANID?))

L12 7 SEA ABB=ON L11 AND ?HYDROGEN?

L13 6 SEA ABB=ON L12 AND (PRD<20031112 OR PD<20031112)

FILE 'MEDLINE, BIOSIS, EMBASE, JAPIO, JICST-EPLUS, COMPENDEX, RAPRA, PASCAL' ENTERED AT 19:20:28 ON 06 JAN 2006

L14 0 SEA ABB=ON L13

FILE 'USPATFULL' ENTERED AT 19:23:59 ON 06 JAN 2006

L15 262 SEA ABB=ON L12 AND (PRD<20031112 OR PD<20031112)

L16 260 SEA ABB=ON L15 AND ?PROCESS?

L17 142 SEA ABB=ON L16 AND ?HYDROGENAT?

L18 16 SEA ABB=ON L17 AND ?MODIFIER?

16 cet from US Patfull

FILE 'HCAPLUS' ENTERED AT 19:25:27 ON 06 JAN 2006

L19 6 SEA ABB=ON L13 AND (?PROCESS? OR ?HYDROGENAT? OR ?MODIF?)

FILE HOME

6 cità from CAPlace

FILE HCAPLUS

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FILE COVERS 1907 - 6 Jan 2006 VOL 144 ISS 3 FILE LAST UPDATED: 5 Jan 2006 (20060105/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 JAN 2006 HIGHEST RN 871301-42-7 DICTIONARY FILE UPDATES: 5 JAN 2006 HIGHEST RN 871301-42-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

* The CA roles and document type information have been removed from * the IDE default display format and the ED field has been added, * effective March 20, 2005. A new display format, IDERL, is now * available and contains the CA role and document type information. * *

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE MEDLINE

FILE LAST UPDATED: 6 JAN 2006 (20060106/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details on the 2005 reload, enter HELP RLOAD at an arrow promt (=>). See also:

http://www.nlm.nih.gov/mesh/http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.htmlhttp://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.htmlhttp://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE BIOSIS FILE COVERS 1969 TO DATE. CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 4 January 2006 (20060104/ED)

FILE EMBASE

FILE COVERS 1974 TO 29 Dec 2005 (20051229/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE JAPIO

FILE LAST UPDATED: 02 JAN 2006 <20060102/UP>
FILE COVERS APR 1973 TO SEPTEMBER 29, 2005

<<< GRAPHIC IMAGES AVAILABLE >>>

>>> PLEASE BE AWARE OF THE NEW IPC REFORM IN 2006, SEE http://www.stn-international.de/stndatabases/details/ipc reform.html <<<

FILE JICST-EPLUS FILE COVERS 1985 TO 28 DEC 2005 (20051228/ED)

THE JICST-EPLUS FILE HAS BEEN RELOADED TO REFLECT THE 1999 CONTROLLED TERM (/CT) THESAURUS RELOAD.

FILE COMPENDEX

FILE LAST UPDATED: 2 JAN 2006 <20060102/UP>
FILE COVERS 1970 TO DATE.

<<< SIMULTANEOUS LEFT AND RIGHT TRUNCATION AVAILABLE IN
 THE BASIC INDEX >>>

FILE RAPRA

FILE LAST UPDATED: 16 DEC 2005 <20051216/UP>
FILE COVERS 1972 TO DATE

- >>> Simultaneous left and right truncation is available in the
 basic index (/BI), and in the controlled term (/CT),
 geographical term (/GT), and non-polymer term (/NPT) fields. <<</pre>
- >>> The RAPRA Classification Code is available as a PDF file
- >>> and may be downloaded free-of-charge from:
- >>> http://www.stn-international.de/stndatabases/details/rapra classcodes.

FILE PASCAL

FILE LAST UPDATED: 19 DEC 2005 <20051219/UP>
FILE COVERS 1977 TO DATE.

>>> SIMULTANEOUS LEFT AND RIGHT TRUNCATION IS AVAILABLE IN THE BASIC INDEX (/BI) FIELD <><

FILE USPATFULL

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 5 Jan 2006 (20060105/PD)

FILE LAST UPDATED: 5 Jan 2006 (20060105/ED)

HIGHEST GRANTED PATENT NUMBER: US6983486

HIGHEST APPLICATION PUBLICATION NUMBER: US2006005290

CA INDEXING IS CURRENT THROUGH 3 Jan 2006 (20060103/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 5 Jan 2006 (20060105/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2005

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2005

<<< >>> USPAT2 is now available. USPATFULL contains full text of the >>> original, i.e., the earliest published granted patents or <<< >>> applications. USPAT2 contains full text of the latest US <<< >>> publications, starting in 2001, for the inventions covered in <<< >>> USPATFULL. A USPATFULL record contains not only the original <<< >>> published document but also a list of any subsequent <<< >>> publications. The publication number, patent kind code, and <<< >>> publication date for all the US publications for an invention <<< >>> are displayed in the PI (Patent Information) field of USPATFULL <<< >>> records and may be searched in standard search fields, e.g., /PN, <<< >>> /PK, etc. <<< >>> USPATFULL and USPAT2 can be accessed and searched together <<< >>> through the new cluster USPATALL. Type FILE USPATALL to <<< >>> enter this cluster. <<< <<< >>> >>> Use USPATALL when searching terms such as patent assignees, <<< >>> classifications, or claims, that may potentially change from <<< <<< >>> the earliest to the latest publication.

This file contains CAS Registry Numbers for easy and accurate substance identification.